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Erratum

Erratum to: Measurements of π^- production in $^7\text{Be} + ^9\text{Be}$ collisions at beam momenta from 19A to 150A GeV/c in the NA61/SHINE experiment at the CERN SPS

NA61/SHINE Collaboration

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In this erratum, we clarify the details of the comparison of m_T spectra between $p+p$, Be+Be, and Pb+Pb. In the published paper, the normalization of m_T spectra was found inconsistent in Fig. 14. It was checked that not all spectra were normalized to the spectrum's integral in the range $0.24 < m_T - m_{\pi^-} < 0.72$ given in the paper. In this erratum, the ratios with correct normalization in the described region are shown. The normalized Be+Be spectra were then divided by the corresponding $p+p$ and Pb+Pb spectra used as a reference. The resulting corrected ratios of the normalized spectra are presented in Fig. 1.

Correct normalization does not change the conclusions given in the paper. The shape of m_T spectra in *central* Be+Be collisions is significantly different from the one observed in inelastic $p+p$ interactions (Fig. 1 *left*). However, it is important to note that the Be+Be system is isospin symmetric whereas $p+p$ has $I_3 = 1$. Comparing Be+Be to Pb+Pb (Fig. 1 *right*) reveals that both shapes are similar. Note that Pb+Pb is to a large extent isospin symmetric.

A corrected version of the article is also available on the arXiv ([arXiv:2008.06277](https://arxiv.org/abs/2008.06277)).

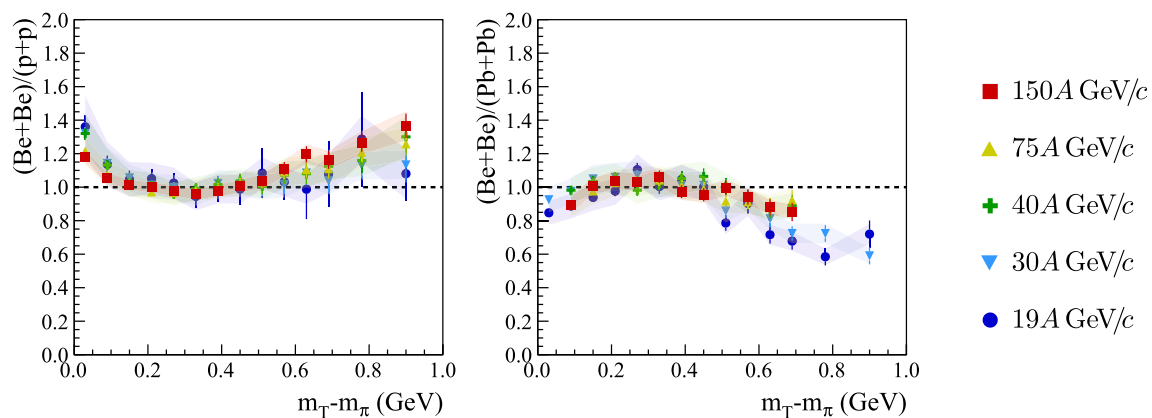


Fig. 1 Ratio of normalized transverse mass spectra: Be+Be/ $p+p$ (*left*) and Be+Be/Pb+Pb (*right*) at the SPS energies

The original article can be found online at <https://doi.org/10.1140/epjc/s10052-020-08514-6>.

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